

1: AF271235. *Rattus norvegicus*...[gi:8515880] [Links](#)

```

FEATURES             Location/Qualifiers
     source            1..3982
                        /organism="Rattus norvegicus"
                        /mol_type="mRNA"
                        /db_xref="taxon:10116"
     gene            1..3982
                        /gene="DNPI"
     CDS             463..2211
                        /gene="DNPI"
                        /codon_start=1
                        /product="differentiation-associated Na-dependent inorganic
                        phosphate cotransporter"
                        /protein_id="AAF76223.1"
                        /db_xref="GI:8515881"
                        /translation="MESVKQRILAPGKEGIKNFAGKSLGQIYRVLEKKQDNRETIEL
                        EDGKPLEVPEKKAPLCDCTCFGLPRRYIIAIMSGLGFCISFGIRCNLGVAIVDMVNN:
                        TIHRGGKVIKEKAKFNWDPETVGMIHGSFFWGYIITQIPGGYIASRLAANRVFGAAI
                        LTSTLNMLIPSAARVHYGCVIFVRILQGLVEGVTPACHGIWSKWAPPLERSRLATT:
                        FCGSYAGAVIAMPLAGILVQYTGWSSVFYVYGSFGMVWYMFWLLVSYESPAKHPTIT:
                        EERRYIEESIGESANLLGAMEKFKTPWRKFFTSMFPVYAIIVANFCRSWTFYLLLSQ
                        AYFEEVFGFEISKVGMLSAPPHLVMTIIVPIGGQIADFLRSKQILSTTTVRKIMNCG
                        FGMEATLLLVGYSHTRGVAISFLVLAVGFSGFAISGFNVNHLDIAPRYASILMGIS
                        GVGTLSGMVCP IIVGAMTKNKSREEWQYVFLIAALVHYGGVIFYALFASGEKQPWAD
                        EETSEEKCGFIHEDELDEETGDITQNYINYGTTKSYGATSQENGWPNGWEEKKEEFV
                        ESAODAYSYKDRDDYS"

```

polyA signal 3953..3958  
/gene="DNPI"

BASE COUNT 1144 a 823 c 884 g 1131 t

ORIGIN

```

1 agacagtaag gttcttttgc ttttttcctt tacacaagga ttcgatgacg tttttgggtca
61 atctgattaa aagacagcgg atttggttgc gttaagactt caaaaccggg aattttacgtt
121 gtttttcggg gaggtgactt ccagaacggg gactcatcag caccgcacca aataccacgg
181 cactgcgcgc gccctcggcc accggatcct ccccttccaa tgagactttg tgactgtgtg
241 taccaattct cctattagga aaccctgagg ctgaatgcag ctattccgtt gtactctctt
301 tctcgtcttc cctccccctc ccaactcaca gccttgctga aaagctcatc tctgctgaga
361 agaaaacggt ctaccttaac ctattaagac tatgctcaga actcgccttt catagccatc
421 acaattttaa tctggtaagg ctggacacga gtctttacaa gaatggagtc ggtaaaacaa
481 aggattttgg ccccggggaa agaggggata aagaattttg ctggaaaatc cctcggacag
541 atctacaggg tgctggagaa gaagcaggat aaccgagaga ccatcgagct gacagaggac
601 ggcaagcccc tggaggtgcc tgagaagaag gctccgctat gcgactgtac gtgcttcggc
661 ctgccgcgcc gctacatcat agccatcatg agcggcctcg gcttctgcat ctcttttggt
721 atccgctgta acctgggtgt ggccattgtg gacatggtca acaacagcac catccaccgg
781 ggtggcaaag ttatcaagga gaaagccaag ttaactggg accccgagac tgtggggatg
841 attcacgggt cgttcttctg gggctatata atcacgcaga ttccggggcg atacatcgca
901 tcgcgactgg ctgctaaccg ggtctttggg gctgccatac tgcttacctc taccctcaat
961 atgctgatcc catctgcagc cagagtgcac tatggatgag tcatctttgt tagaatattg
1021 caaggacttg tggagggcgt cacctacca gctgtcacg ggatatggag caagtgggac
1081 cctcctttgg agaggagtag gttggctacc acctccttct gtggttccca tgctggagca
1141 gtcattgcaa tgcccctagc tggatcctg gtgcagtaca ctggatggtc ttcagtattt
1201 tacgtatatg gaagctttgg tatggtctgg tatatgttct ggcttctggt gtcttacgag
1261 agccccgcaa agcatccaac cataacagac gaagaacgta ggtacataga agagagcatc
1321 ggggagagcg caaatctgtt aggagcaatg gagaaattca agaccccatg gaggaagttt
1381 ttcacatcca tgcccgtcta tgcgataatt gttgcaaact tctgcaggag ttggactttt
1441 tattttactg tcatcagtca accagcttat ttcgaggagg tttttggatt tgaaatcagc
1501 aagggtggca tgttgtctgc ggtccacac ctggtcatga caatcattgt gcctatcggg
1561 gggcaaatct cagactttct aaggagcaag caaattctt caacaactac agtgcgaaag
1621 atcatgaact gcgggggttt tggcatggaa gccacactgc ttctggttgt tggctactct
1681 catactagag ggggtggccat ctcttcttct gtgcttgagc tgggattcag tggatttgct
1741 atctctggtt tcaatgtgaa ccacttggat attgccccga gatatgccag tatcttaatg
1801 ggcatttcaa atggtgttgg cacgtgtcgc ggaatggtct gcccgatcat tgttggtgca
1861 atgacgaaga acaagtcccg tgaagaatgg cagtatgtct tctcatcgc tgcactggtc
1921 cactatggtg gagtcatatt ttatgcacta ttgacctcag gagagaagca accttgggca
1981 gacctgagg aaacaagcga agaaaagtgt ggcttcattc atgaagatga actggatgaa
2041 gaaacggggg acatcactca gaattacata aattacggta ccaccaaatc ctacggcgcc
2101 acctcacagg agaacggagg ctggcctaac ggctgggaga aaaaggaaga atttgtgcaa
2161 gaaagtgcgc aagacgcgta ctctataaag gaccgagatg attattcata acgaagctag
2221 ttgctggatt cttttgtagt gtttgtgatt aaattaattg tgattgcaca aaatcatttt
2281 aagaaatgtg gtgtaaacat gtaaacacat caaccaagca agtcttgctg ttcaaaaaat
2341 aataataata tgaattcaaa acagaccgtg agagtcccat caagtgcaat ctgtggcgcc
2401 agtcacgtga cgccatttcc attcaggcca ttcgtccttt tcgtttgtga ttaaagggtt
2461 tctgtagaa ataagtaggt attcgttgga tccatcacca cgttagagag tacaactaca
2521 acagttggca catgtcatcc tacggaagt aggaagccaa agctactgga ttatgtgaac
2581 tgcatttatt tattttattac actggactgc aaaatatccc agggaaatcc tgtctagaga
2641 catagtagaa ctggaaagat ggctagattg ggtactgacg ataatcattg tgtgtatatc
2701 atggagtggc tatatctttt aattggagaa ctatattgta tagctagcaa aattgtactg
2761 aattattact aggagtgcac agtgtgtgat attttgtgat cttccaaaag cttatcttgc
2821 agtgttttgt gaaacgcttg ggcacaaaca cttattttta tgaacaagag cttgtaaagg
2881 gaggagtatg ctccatgctc tccattcac tacctgacag tatcaaacct tcacatttca
2941 atgaaatcca acgtccatgt aacatatcac atgacttttt ttgcaaaaaa gaatataaga
3001 agaaatagac ttcaatgtat tttttattac aactttgtac tggttgtaac ttgcattagg
3061 aaaaatgatt aatatatgta taatcgtaaa gaatctaata aaaatttact atgaagatat
3121 agcccttaaa atgcaatatt aacaacaaaa atatatagaa aatttagata atcttcttg
3181 ataactagag actatatgga actcacacca caaagctata tataatatga aaagataaac
3241 aatagagatt gtatatgtag acgattttat gacctaatgt cccatttaag aggtatttgt



```

3301 cttgagtata tagtacaaag tatattaaaa ttatatctac atccctgtat atcttataca  
3361 tatccactca cacaaacata acaaatactt ttcacacaga accaaaaaca agcatacacc  
3421 taatgttggg tttggggatt gcaatttcta ctttcataga gtcatagaat tttagatggg  
3481 aaaaaaaaaag gcattttgct cgtcatttct taatataatt aattcaacag gaactgcaac  
3541 atttgtgtac caagcaataa gtgcgaagca taaacctgct gtgtgtaaac tatccccata  
3601 ctgcttgtgg tagcactgat ttctttcttt taaagaactt aacatcggag ctctttacaa  
3661 tgttttgccg tgataagaat gcacatccca atttaacgca aagtgtcacc tgggtgtgtt  
3721 acctgtctgt tttgggtatt tgggtctgtt ggtgtcctgt gctcttgact ggaggccctg  
3781 ctactgcgaa tataaaacgt gaagtttggt tctaaatgca aaccactcct gaccttaaga  
3841 aactaaagtc cctctctgct ttgtgtctcc aagtactatc atgtgaccat aacccttgct  
3901 gtgctgagta aaaagatgtg aactgtcatt ttgttgctgc gaagcaagtg ttaataaaat  
3961 gttctattta aaaaaaaaaa aa

//

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)

JUL 8 2003 7:22:35

 								
PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM	Books
Search <input type="text" value="Nucleotide"/> for <input type="text"/>								<input type="button" value="Go"/> <input type="button" value="Clear"/>
Limits		Preview/Index		History		Clipboard		Details
Display	<input type="text" value="default"/>	Show:	<input type="text" value="1"/>	Send to	<input type="text" value="File"/>	Get Subsequence		

☐ 1: AAF76223. differentiation-as...[gi:8515881]

[BLink](#), [Domains](#), [Links](#)

LOCUS AAF76223 582 aa linear ROD 14-JUN-200  
 DEFINITION differentiation-associated Na-dependent inorganic phosphate cotransporter [Rattus norvegicus].  
 ACCESSION AAF76223  
 VERSION AAF76223.1 GI:8515881  
 DBSOURCE locus AF271235 accession [AF271235.1](#)  
 KEYWORDS .  
 SOURCE Rattus norvegicus (Norway rat)  
 ORGANISM Rattus norvegicus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.  
 REFERENCE 1 (residues 1 to 582)  
 AUTHORS Mashima,H. and Kojima,I.  
 TITLE Rat DNPI  
 JOURNAL Unpublished  
 REFERENCE 2 (residues 1 to 582)  
 AUTHORS Mashima,H. and Kojima,I.  
 TITLE Direct Submission  
 JOURNAL Submitted (24-MAY-2000) Cell biology, Gunma University, Institute for Molecular and cellular Regulation, 3-39-15, Showa-machi, Maebashi, Gunma 371-8512, Japan  
 COMMENT Method: conceptual translation supplied by author.  
 FEATURES  
     Location/Qualifiers  
         source 1..582  
             /organism="Rattus norvegicus"  
             /mol\_type="unassigned DNA"  
             /db\_xref="taxon:10116"  
         Protein 1..582  
             /product="differentiation-associated Na-dependent inorganic phosphate cotransporter"  
             /name="DNPI"  
         CDS 1..582  
             /gene="DNPI"  
             /coded\_by="AF271235.1:463..2211"  
 ORIGIN  
     1 mesvkqrila pgkegiknfa gkslgqiyrv lekkqdnret ieltedgkpl evpekkaplc  
     61 dctcflgprl yiaaimsglg fcisfgircn lgvaivdmvn nstihrggkv ikekakfnwd  
     121 petvgmihgs ffwgyiitqi pggyiasrla anrvfgaail ltstlnmlip saarvhygcv  
     181 ifvrilqglv egvtypachg iwskwapple rsrlattsfc gsyagaviam plagilvqyt  
     241 gwssvfvyvg sfgmvwymfw llvsyespak hptitdeerr yieesiges nllgamekfk  
     301 tpwrkfftsm pyyaiivanf crswtfylll isqpayfeev fgfeiskvgm lsavphlvmt  
     361 iivpiggqia dflrskqils tttvrkimnc ggfgmeatl1 lvvgyshtgr vaisflvlav  
     421 gfsgefaisgf nvnhldiapr yasilmgisn gvgtlsgmvc piivgamtkn ksreewqyvf  
     481 liaalvhygg vifyalfasg ekqpwadpee tseekcgfih edeldeetgd itqnyinygt  
     541 tksygatsqe nggwpngwek keefvqesag daysykdrdd ys

//

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)

17 JUL 2003 12:45:15